

Multi-Layer Structure and Method for Manufacturing the Same

Abstract

5 A multi-layer structure and a method for manufacturing the multi-layer structure are provided. The multi-layer structure includes: a waveguide including one or more light coupling regions having a refractive index gradient; at least one organic material based active optical element disposed above the waveguide; wherein the one or more light coupling regions is configured to change characteristics of light propagating in the
10 waveguide; wherein at least one of the one or more light coupling regions is configured to enhance light coupling between the waveguide and the active optical element.

Fig. 1a